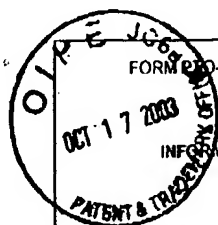
	FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. BSST.002C1	APPLICATION NO. Unknown 10/632,235
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT			
	(USE SEVERAL SHEETS IF NECESSARY)		APPLICANT Lon E. Bell	FILING DATE July 31, 2003

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
vj	1	3,006,979	10-31-61	Rich			
	2	3,126,116	04-24-64	Clinehens			
	3	3,635,037	01-18-72	Hubert			
	4	3,681,929	08-08-72	Schering			
	5	3,779,814	12-18-73	Miles et al.			
	6	4,065,936	01-03-78	Fenton et al.			
	7	4,281,516	08-04-81	Berthet et al.			
	8	4,494,380	01-22-85	Cross			
	9	4,730,459	03-15-88	Schlicklin et al.			
	10	4,731,338	03-15-88	Ralston et al.			
	11	4,989,626	02-05-91	Takaga et al.			
	12	5,092,129	03-03-92	Bayes et al.			
	13	5,097,829	03-24-92	Quisenberry			
	14	5,228,923	07-20-93	Hed			
	15	5,232,516	08-03-93	Hed			
	16	5,429,680	07-04-95	Fuschetti			
	17	5,584,183	12-17-96	Wright et al.			
	18	5,592,363	01-07-97	Atarashi et al.			
	19	5,605,047	02-25-97	Park et al.			
	20	5,682,748	11-04-97	De Viiibiss et al.			
	21	5,802,856	09-08-98	Schaper at al.			
	22	5,860,472	01-19-99	Batchelder			
	23	5,867,990	02-09-99	Ghoshal			
	24	5,900,071	05-04-99	Harman			
	25	5,921,088	07-13-99	Imaizumi et al.			
	26	5,966,941	10-19-99	Ghoshal			
	27	5,987,890	11-23-99	Chiu et al.			

EXAMINER	<i>vd/mw</i>	DATE CONSIDERED	3/8/04
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.			



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July 31, 2003GROUP
Unknown

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
MJ	28	6,082,445	07-04-00	Dugan			
	29	6,084,172	07-04-00	Kishi et al.			
	30	6,096,966	08-01-00	Nishimoto et al.			
	31	6,319,744	11-20-01	Hoon et al.			
	32	6,334,311	01-01-02	Kim et al.			
	33	6,346,668	02-12-02	McGrew			
	34	6,347,521	02-19-02	Kadotani et al.			
	35	6,401,462	06-11-02	Bielinski			
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	37	6,477,844	11-12-02	Ohkubo et al.			
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	39	6,530,231	03-11-03	Nagy et al.			
	40	6,510,696	01-28-03	Guttman et al.			
MJ	41	6,650,968	05-13-03	Ko			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
MJ	42	JP 4-165234	06-11-92	Japan				
MJ	43	JP 56-18231	02-20-81	Japan				

EXAMINER
INITIAL

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

MJ	44	International Search Report for PCT/US 02/06285 dated 05-11-02.
	45	International Search Report for PCT/US 02/03654 dated 05-20-02.
	46	International Search Report for PCT/US 02/03659 dated 07-09-02.
	47	International Search Report for PCT/US 02/25233 dated 09-24-02.
MJ	48	International Search Report for PCT/US 03/17834 dated 07-29-03.

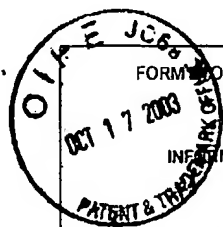
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DATE CONSIDERED

3/8/04

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EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
WJ	49 A New Concept for Improving Thermoelectric Heat Pump Efficiency, R.J. Buist, J.W. Fenton and J.S. Lee, Borg-Warner Thermoelectrics Wolf and Algonquin Road
	50 Tada, Shigeru, et al., A New Concept of Porous thermoelectric Module Using a Reciprocating Flow for Cooling/Heating System (Numerical Analysis for Heating System), 16 th International Conference on Thermoelectrics (1997)
	51 Goldsmid, H.J., <u>Electronic Refrigeration</u> , Pion Ltd., 207 Brondesbury Park, London (1986)
	52 Angrist, Stanley W., <u>Direct Energy Conversion</u> , 32 Ed. Allyn & Bacon (1976)
	53 Miner, A., Majumdar, A., and U. Ghoshal, Thermo-Electro-Mechanical Refrigeration Based on Transient Thermoelectric Effects, <u>Applied Physics letters</u> , Vol. 75, pp. 1176-1178 (1999)
	54 Buist, R. and Lau, P., Theoretical Analysis of Thermoelectric Cooling Performance Enhancement Via Thermal and Electrical Pulsing, <u>Journal of Thermoelectricity</u> , No. 4, 1996.
	55 Copending U.S. Application No. 09/844,818 filed on April 27, 2001 (Atty No. 001A) and pending claims
	56 Copending U.S. Application No. 10/227,398 filed on August 23, 2002 (Atty No. 001CP1) and pending claims
	57 Copending U.S. Application No. 09/860,725 filed on May 18, 2001 (Atty No. 002A) and pending claims
	58 Copending U.S. Application No. 09/918,999 filed on July 31, 2001 (Atty No. 002CP1) and pending claims
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	60 Copending U.S. Application No. 09/987,232 filed on November 6, 2001 (Atty No. 006A) and pending claims
	61 Copending U.S. Application No. 10/074,543 filed on February 11, 2002 (Atty No. 008A) and pending claims
WJ	62 Copending U.S. Application No. 10/164,656 filed on June 6, 2002 (Atty No. 009A) and pending claims

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EXAMINER	DATE CONSIDERED
WJ	3/08/04

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